



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11851447
SAU: Winthrop Public Schools
School: Winthrop Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

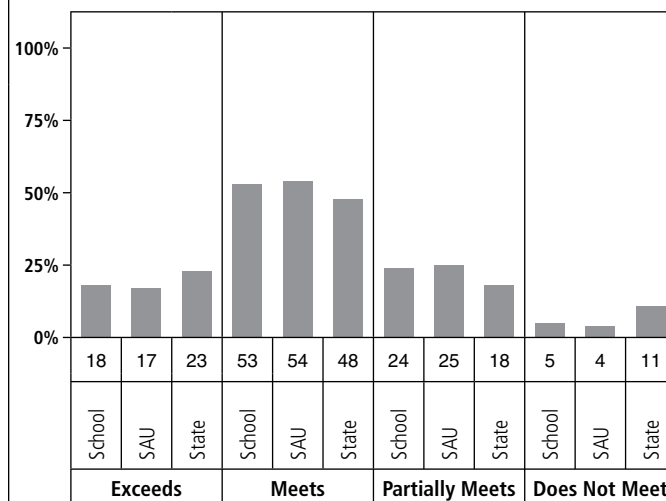
SAU: Winthrop Public Schools

School: Winthrop Middle School

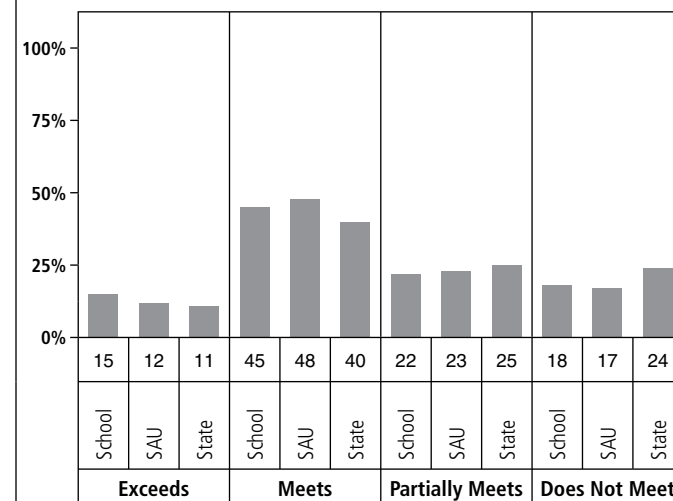
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	839	839	845
2006–2007	846	846	847
2007–2008	849	849	849
Cum. Avg. *	844	844	847
Mathematics			
2005–2006	838	838	840
2006–2007	843	843	842
2007–2008	845	845	841
Cum. Avg. *	842	842	841
Science & Technology			
2005–2006	843	843	846
2006–2007	852	852	847
2007–2008	853	853	847
Cum. Avg. *	849	849	847

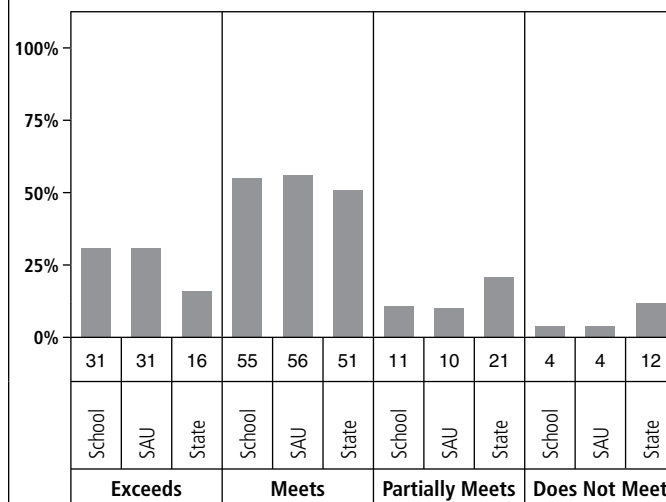
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 8
SAU: Winthrop Public Schools
School: Winthrop Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																											
							ELA-Reading						Mathematics						Science and Technology						School			SAU			State			
	School		SAU		State		School		SAU		State		School		SAU		State																	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students	55	100	52	100	15274	100	55	100	52	100	15102	99	55	100	52	100	15097	99	55	100	52	100	15080	99										
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97										
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98										
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98										
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98										
Caucasian/White	55	100	52	100	14461	95	55	100	52	100	14312	99	55	100	52	100	14302	99	55	100	52	100	14289	99										
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Identified disability	11	20	10	19	2508	16	11	100	10	100	2446	98	11	100	10	100	2441	98	11	100	10	100	2431	98										
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99										
Economically disadvantaged	19	35	19	37	5420	35	19	100	19	100	5329	99	19	100	19	100	5324	99	19	100	19	100	5313	98										
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100										

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	44	80	42	81	12703	83	44	80	42	81	12694	83	44	80	42	81	12710	83						
Identified disability (PET/IEP)	0	0	0	0	437	3	0	0	0	0	421	3	0	0	0	0	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	1	2	1	2	229	2	1	2	1	2	231	2	1	2	1	2	230	2						
Participation with accommodations	11	20	10	19	2221	15	11	20	10	19	2227	15	11	20	10	19	2197	14						
Identified disability (PET/IEP)	11	100	10	100	1832	82	11	100	10	100	1844	83	11	100	10	100	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: Winthrop Public Schools
School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	9	12	8	10	2695	17
	2006-2007	7	10	7	10	2407	16
	2007-2008	10	18	9	17	3428	23
	Cum. Total*	26	13	24	12	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	26	33	26	34	6830	42
	2006-2007	36	51	36	52	7494	49
	2007-2008	29	53	28	54	7179	48
	Cum. Total*	91	45	90	45	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	19	24	19	25	3741	23
	2006-2007	20	29	19	28	3628	24
	2007-2008	13	24	13	25	2706	18
	Cum. Total*	52	26	51	26	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	24	31	24	31	3003	18
	2006-2007	7	10	7	10	1810	12
	2007-2008	3	5	2	4	1611	11
	Cum. Total*	34	17	33	17	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	36.9	65.9	36.8	65.7	36.9	65.9
Literary Text	28	50	17.5	62.5	17.5	62.5	18.3	65.4
Informational Text	28	50	19.3	68.9	19.3	68.9	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	55	10	18	29	53	13	24	3	5	849	52	17	54	25	4	849	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	55	10	18	29	53	13	24	3	5	849	52	17	54	25	4	849	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	11	1	9	2	18	6	55	2	18	841	10	10	20	60	10	842	2269	3	24	32	42	833
No	44	9	20	27	61	7	16	1	2	851	42	19	62	17	2	851	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	55	10	18	29	53	13	24	3	5	849	52	17	54	25	4	849	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	19	4	21	8	42	6	32	1	5	847	19	21	42	32	5	847	5222	12	44	25	19	843
No	36	6	17	21	58	7	19	2	6	850	33	15	61	21	3	850	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	55	10	18	29	53	13	24	3	5	849	52	17	54	25	4	849	14917	23	48	18	11	849
Gender																						
Female	26	9	35	11	42	5	19	1	4	853	24	33	42	21	4	852	7198	30	48	15	7	853
Male	29	1	3	18	62	8	28	2	7	845	28	4	64	29	4	846	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						807	9	41	32	18	842
No	54	10	19	29	54	13	24	2	4	850	51	18	55	25	2	849	14117	24	49	17	10	850
Gifted/talented program																						
Yes	14	5	36	8	57	1	7	0	0	858	12	33	58	8	0	857	592	71	28	1	0	867
No	41	5	12	21	51	12	29	3	7	846	40	13	53	30	5	846	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	0	0	1	100	822	2	0	0	0	100	822	9	10	39	24	26	841
B. less than one hour	44	5	21	15	63	3	13	1	4	852	44	22	65	13	0	853	46	20	50	20	11	849
C. one to two hours	49	5	19	11	41	10	37	1	4	848	48	16	40	40	4	846	41	28	49	15	7	852
D. more than two hours	5	0	0	3	100	0	0	0	0	850	6	0	100	0	0	850	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	51	7	25	12	43	8	29	1	4	850	48	24	44	32	0	849	33	31	48	14	7	853
B. They match some of what I have learned.	42	2	9	16	70	4	17	1	4	849	44	9	70	17	4	849	53	21	51	19	9	849
C. They match just a little of what I have learned.	5	1	33	1	33	0	0	1	33	847	6	33	33	0	33	847	11	14	41	25	20	844
D. There is no match.	2	0	0	0	0	1	100	0	0	840	2	0	0	100	0	840	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	33	6	33	10	56	2	11	0	0	854	33	29	59	12	0	853	31	42	44	8	6	857
B. good	53	4	14	15	52	9	31	1	3	848	54	14	50	32	4	848	49	19	54	19	9	849
C. fair	15	0	0	4	50	2	25	2	25	842	13	0	57	29	14	844	18	5	42	31	22	840
D. poor	0										0						2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	11	0	0	4	67	1	17	1	17	842	12	0	67	17	17	842	15	16	44	22	18	845
B. about the same as my regular schoolwork	68	7	19	18	50	9	25	2	6	850	68	18	53	26	3	850	65	23	49	18	9	850
C. easier than my regular schoolwork	21	3	27	7	64	1	9	0	0	853	20	30	60	10	0	852	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	4	0	0	0	0	1	50	1	50	830	4	0	0	50	50	830	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	51	4	15	13	50	8	31	1	4	848	53	15	50	31	4	848	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	45	5	22	16	70	2	9	0	0	853	43	19	71	10	0	852	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	46	4	16	14	56	7	28	0	0	850	48	16	56	28	0	850	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	46	6	24	13	52	6	24	0	0	851	44	22	52	26	0	849	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	2	50	0	0	2	50	837	8	0	50	0	50	837	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	20	3	27	6	55	2	18	0	0	852	21	27	55	18	0	852	18	31	47	13	9	852
B. 20 minutes to an hour	53	5	17	16	55	6	21	2	7	849	50	15	58	23	4	849	41	28	49	15	7	852
C. less than 20 minutes	7	1	25	2	50	1	25	0	0	854	8	25	50	25	0	854	13	20	49	18	12	848
D. I rarely read at home.	20	1	9	5	45	4	36	1	9	844	21	9	45	36	9	844	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	36	7	35	9	45	4	20	0	0	855	37	37	42	21	0	854	43	31	48	14	7	853
B. agree	60	3	9	19	58	8	24	3	9	846	60	6	61	26	6	846	48	18	50	20	12	848
C. disagree	4	0	0	1	50	1	50	0	0	841	4	0	50	50	0	841	6	11	43	24	21	843
D. strongly disagree	0										0						2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	1	100	0	0	0	0	858	0											
D.	50	0	0	1	100	0	0	0	0	852	100	0	100	0	0	852						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Winthrop Public Schools
School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	8	10	7	9	1714	11
	2006-2007	12	17	12	17	1952	13
	2007-2008	8	15	6	12	1657	11
	Cum. Total*	28	14	25	13	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	25	32	25	32	5533	34
	2006-2007	22	31	22	32	5870	38
	2007-2008	25	45	25	48	5956	40
	Cum. Total*	72	35	72	36	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	20	26	20	26	4764	29
	2006-2007	20	29	19	28	3982	26
	2007-2008	12	22	12	23	3729	25
	Cum. Total*	52	26	51	26	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	25	32	25	32	4251	26
	2006-2007	16	23	16	23	3534	23
	2007-2008	10	18	9	17	3579	24
	Cum. Total*	51	25	50	25	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	9.3	58.1	9.2	57.5	8.4	52.5
Cluster 2: Shape and Size	14	25	6.7	47.9	6.6	47.1	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	5.0	62.5	4.9	61.3	4.6	57.5
Cluster 4: Patterns	18	32	9.6	53.3	9.5	52.8	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Winthrop Public Schools
 School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	55	8	15	25	45	12	22	10	18	845	52	12	48	23	17	845	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	55	8	15	25	45	12	22	10	18	845	52	12	48	23	17	845	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	11	0	0	3	27	2	18	6	55	827	10	0	30	20	50	828	2265	1	14	22	62	824
No	44	8	18	22	50	10	23	4	9	849	42	14	52	24	10	849	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	55	8	15	25	45	12	22	10	18	845	52	12	48	23	17	845	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	19	1	5	7	37	5	26	6	32	839	19	5	37	26	32	839	5217	5	30	29	37	834
No	36	7	19	18	50	7	19	4	11	848	33	15	55	21	9	848	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	55	8	15	25	45	12	22	10	18	845	52	12	48	23	17	845	14914	11	40	25	24	841
Gender																						
Female	26	4	15	12	46	4	15	6	23	844	24	8	50	17	25	842	7199	11	40	26	23	841
Male	29	4	14	13	45	8	28	4	14	846	28	14	46	29	11	846	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						806	3	20	30	47	831
No	54	8	15	25	46	12	22	9	17	846	51	12	49	24	16	845	14115	12	41	25	23	842
Gifted/talented program																						
Yes	14	6	43	8	57	0	0	0	0	862	12	33	67	0	0	860	592	58	39	2	1	864
No	41	2	5	17	41	12	29	10	24	839	40	5	43	30	23	840	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Winthrop Public Schools
School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	0	0	1	100	800	2	0	0	0	100	800	9	5	30	23	41	833
B. less than one hour	44	4	17	12	50	7	29	1	4	850	44	17	52	30	0	851	46	10	40	26	25	840
C. one to two hours	49	4	15	11	41	5	19	7	26	843	48	8	44	20	28	840	41	14	42	25	19	843
D. more than two hours	5	0	0	2	67	0	0	1	33	840	6	0	67	0	33	840	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	36	3	15	8	40	4	20	5	25	845	37	11	42	21	26	844	30	17	43	22	18	845
B. They match some of what I have learned.	44	4	17	12	50	6	25	2	8	847	44	13	52	26	9	846	50	10	42	26	22	841
C. They match just a little of what I have learned.	15	1	13	4	50	1	13	2	25	840	15	13	50	13	25	840	17	6	32	29	33	836
D. There is no match.	5	0	0	1	33	1	33	1	33	839	4	0	50	50	0	846	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	24	2	15	9	69	1	8	1	8	852	25	15	69	8	8	852	26	29	46	14	11	851
B. good	45	5	20	12	48	4	16	4	16	848	42	14	55	18	14	847	45	7	46	27	20	841
C. fair	22	1	8	4	33	4	33	3	25	839	23	8	33	33	25	839	23	1	26	34	38	833
D. poor	9	0	0	0	0	3	60	2	40	827	10	0	0	60	40	827	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	33	1	6	8	44	4	22	5	28	838	33	6	47	24	24	839	34	4	35	28	32	836
B. about the same as my regular schoolwork	50	4	15	12	44	7	26	4	15	847	51	12	46	27	15	846	52	10	43	26	21	842
C. easier than my regular schoolwork	17	2	22	5	56	1	11	1	11	852	16	13	63	13	13	850	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	44	3	13	12	52	6	26	2	9	846	47	13	52	26	9	846	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	52	4	15	13	48	5	19	5	19	847	51	8	52	20	20	845	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	0	0	0	0	2	100	812	2	0	0	0	100	800	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	11	0	0	2	33	2	33	2	33	836	10	0	40	40	20	838	9	6	38	27	29	837
B. two or three days a week	29	2	13	9	56	1	6	4	25	845	31	13	56	6	25	845	16	8	38	27	27	839
C. two or three times each month	35	3	16	9	47	5	26	2	11	847	37	16	47	26	11	847	28	12	41	27	21	843
D. never or almost never	25	3	21	5	36	4	29	2	14	847	23	8	42	33	17	843	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	35	4	21	9	47	3	16	3	16	850	33	18	53	18	12	851	38	14	42	23	21	843
B. two or three times a week	44	3	13	9	38	6	25	6	25	841	44	9	39	26	26	839	33	10	41	26	23	841
C. two or three times each month	16	1	11	5	56	3	33	0	0	847	17	11	56	33	0	847	18	10	36	27	27	840
D. never or almost never	5	0	0	2	67	0	0	1	33	841	6	0	67	0	33	841	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	47	5	19	15	58	4	15	2	8	851	46	17	63	17	4	851	54	14	44	23	18	844
B. agree	40	2	9	9	41	6	27	5	23	843	40	5	43	29	24	841	38	8	36	27	28	838
C. disagree	11	1	17	1	17	2	33	2	33	834	12	17	17	33	33	834	6	6	31	28	36	835
D. strongly disagree	2	0	0	0	0	0	0	1	100	814	2	0	0	0	100	814	2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	1	100	0	0	0	0	0	0	866	0											
D.	50	1	100	0	0	0	0	0	0	866	100	100	0	0	0	866						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	9	12	9	12	1879	12
	2006-2007	16	23	16	23	2192	14
	2007-2008	17	31	16	31	2371	16
	Cum. Total*	42	21	41	21	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	30	38	29	38	8604	53
	2006-2007	37	53	36	52	7916	52
	2007-2008	30	55	29	56	7630	51
	Cum. Total*	97	48	94	47	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	24	31	24	31	3618	22
	2006-2007	11	16	11	16	3340	22
	2007-2008	6	11	5	10	3175	21
	Cum. Total*	41	20	40	20	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	15	19	15	19	2174	13
	2006-2007	6	9	6	9	1865	12
	2007-2008	2	4	2	4	1731	12
	Cum. Total*	23	11	23	12	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	9.1	65.0	9.1	65.0	8.1	57.9
Cluster 2: Physical Sciences	14	25	8.8	62.9	8.7	62.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.6	61.4	8.6	61.4	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	9.2	65.7	9.3	66.4	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslg/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	55	17	31	30	55	6	11	2	4	853	52	31	56	10	4	853	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	55	17	31	30	55	6	11	2	4	853	52	31	56	10	4	853	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	11	1	9	6	55	3	27	1	9	844	10	10	60	20	10	845	2258	3	29	31	37	836
No	44	16	36	24	55	3	7	1	2	856	42	36	55	7	2	855	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	55	17	31	30	55	6	11	2	4	853	52	31	56	10	4	853	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	19	3	16	11	58	4	21	1	5	849	19	16	58	21	5	849	5206	8	45	28	20	842
No	36	14	39	19	53	2	6	1	3	856	33	39	55	3	3	856	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	55	17	31	30	55	6	11	2	4	853	52	31	56	10	4	853	14900	16	51	21	12	847
Gender																						
Female	26	7	27	15	58	3	12	1	4	852	24	25	58	13	4	851	7196	14	52	23	12	847
Male	29	10	34	15	52	3	10	1	3	854	28	36	54	7	4	855	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						804	6	38	34	22	841
No	54	17	31	30	56	6	11	1	2	854	51	31	57	10	2	854	14103	16	52	21	11	848
Gifted/talented program																						
Yes	14	10	71	4	29	0	0	0	0	865	12	75	25	0	0	866	592	63	35	1	0	865
No	41	7	17	26	63	6	15	2	5	849	40	18	65	13	5	850	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	0	0	1	100	818	2	0	0	0	100	818	9	10	40	26	23	842
B. less than one hour	44	11	46	11	46	2	8	0	0	858	44	48	48	4	0	858	46	14	52	22	12	847
C. one to two hours	49	6	22	16	59	4	15	1	4	851	48	20	60	16	4	850	41	19	53	19	9	849
D. more than two hours	5	0	0	3	100	0	0	0	0	853	6	0	100	0	0	853	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	57	10	33	16	53	4	13	0	0	854	54	33	56	11	0	854	29	19	54	19	9	849
B. They match some of what I have learned.	36	5	26	11	58	2	11	1	5	854	38	26	58	11	5	854	49	16	51	22	11	848
C. They match just a little of what I have learned.	8	1	25	3	75	0	0	0	0	857	8	25	75	0	0	857	18	13	51	23	13	846
D. There is no match.	0										0						5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	33	8	44	9	50	1	6	0	0	859	31	44	50	6	0	859	23	28	51	13	8	853
B. good	52	8	29	17	61	3	11	0	0	854	53	30	63	7	0	854	54	15	55	21	9	848
C. fair	15	1	13	4	50	2	25	1	13	845	16	13	50	25	13	845	20	5	45	32	18	842
D. poor	0										0						3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	9	1	20	4	80	0	0	0	0	855	10	20	80	0	0	855	27	15	49	22	14	846
B. about the same as my regular schoolwork	81	14	33	22	51	6	14	1	2	854	82	32	54	12	2	853	59	15	53	22	10	848
C. easier than my regular schoolwork	9	2	40	3	60	0	0	0	0	860	8	50	50	0	0	861	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	47	7	29	14	58	3	13	0	0	853	48	30	61	9	0	854	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	51	9	35	13	50	3	12	1	4	855	50	33	50	13	4	854	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	1	100	0	0	0	0	854	2	0	100	0	0	854	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	22	4	33	5	42	3	25	0	0	853	24	33	42	25	0	853	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	15	3	38	5	63	0	0	0	0	856	16	38	63	0	0	856	24	18	53	20	10	849
C. the course(s) described in B, plus physics	17	5	56	4	44	0	0	0	0	863	14	57	43	0	0	862	22	30	47	14	8	853
D. a life science and physical science class	46	5	20	16	64	3	12	1	4	851	47	21	67	8	4	852	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	19	4	40	5	50	1	10	0	0	859	16	38	63	0	0	860	27	23	51	17	9	851
B. agree	61	12	36	15	45	5	15	1	3	854	63	38	44	16	3	853	54	15	53	21	11	847
C. disagree	17	1	11	8	89	0	0	0	0	852	18	11	89	0	0	852	15	10	50	26	14	845
D. strongly disagree	4	0	0	2	100	0	0	0	0	849	4	0	100	0	0	849	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	26	8	57	5	36	1	7	0	0	861	27	57	36	7	0	861	25	24	52	15	8	851
B. agree	32	4	24	9	53	3	18	1	6	852	29	27	53	13	7	852	37	15	50	22	12	847
C. disagree	21	3	27	7	64	1	9	0	0	854	22	27	64	9	0	854	26	12	53	23	12	846
D. strongly disagree	21	1	9	9	82	1	9	0	0	849	22	9	82	9	0	849	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	1	100	0	0	0	0	858	0											
D.	50	1	100	0	0	0	0	0	0	874	100	100	0	0	0	874						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number